THE CLAIMS

A complete listing of all of originally filed Claims 1 – 26 and newly submitted Claim 27 is provided below. A status identifier is provided for each claim in a parenthetical expression following each claim number.

1. (Currently Amended) A method for handling, by a multiple interface naming proxy operating upon a machine executing a remote access server (RAS) server connected to multiple subnet links via distinct network interfaces, a network resource name service request received on a ~~first one of the network interfaces~~ RAS interface to facilitate rendering a corresponding network address of a resource residing on a subnet coupled to the machine via ~~a second one of the distinct network interfaces~~ an interface linked to a local area network (LAN), the method comprising the steps of:

first receiving, by the multiple interface naming proxy via the ~~first network~~ RAS interface, the network resource name service request;

first transmitting, via at least the ~~second network~~ interface linked to the LAN, a name query request corresponding to the network resource name service request; and

second receiving in response to the first transmitting step, by the machine via the ~~second network~~ interface linked to the LAN, a name query response including a network address for the resource residing on the subnet coupled to the machine via the ~~second network~~ interface linked to the LAN.

2. (Original) The method of claim 1 wherein the multiple interface naming proxy maintains a cache of name–to–address entries, and further comprising the step of:

determining, by the multiple interface naming proxy in response to the first receiving step, that the cache does not contain an entry corresponding to a name identified in the name service request.

3 - 5.   (Canceled)

6.   (Currently Amended) The method of claim ~~3~~ 1 further comprising the steps
of:

accessing, by the RAS server, the network address received by the machine during

the second receiving step; and

establishing, by the RAS server on behalf of the RAS client, a connection between the

RAS server and the resource residing on the subnet coupled to the machine via the ~~second~~

~~network~~ interface linked to the LAN.

7.   (Currently Amended) The method of claim ~~3~~ 1 further comprising the step
of:

transmitting the network address via the ~~first network~~ RAS interface to a RAS client.

8.   (Original)   The method of claim 1 wherein the network address is an

internet protocol (IP) address.

9.   (Currently Amended) The method of claim 1 wherein the ~~first network~~ RAS

interface and ~~second network~~ interface linked to the LAN are linked to distinct ~~local area~~

~~networks (LANs)~~.

10.   (Currently Amended) A computer-readable medium having computer-

executable instructions for facilitating handling, by a multiple interface naming proxy

operating upon a machine executing a remote access server (RAS) server connected to

multiple subnet links via distinct network interfaces, a network resource name service

request received on a ~~first one of the network interfaces~~ RAS interface to facilitate rendering

a corresponding network address of a resource residing on a subnet coupled to the machine

via ~~a second one of the distinct network interfaces~~ an interface linked to a local area

network (LAN), the computer-readable medium having computer-executable instructions

facilitating performing the steps of:

first receiving, by the multiple interface naming proxy via the ~~first network~~ RAS

interface, the network resource name service request;

first transmitting, via at least the ~~second network~~ interface linked to the LAN, a name

query request corresponding to the network resource name service request; and

second receiving in response to the first transmitting step, by the machine via the

~~second network~~ interface linked to the LAN, a name query response including a network

address for the resource residing on the subnet coupled to the machine via the ~~second~~

~~network~~ interface linked to the LAN.

11.   (Original)   The computer-readable medium of claim 10 wherein the

multiple interface naming proxy maintains a cache of name-to-address entries, and further

comprising computer-readable instructions facilitating performing the step of:

determining, by the multiple interface naming proxy in response to the first

receiving step, that the cache does not contain an entry corresponding to a name identified

in the name service request.

12.   (Canceled)

13.   (Canceled)

14. (Currently Amended) The computer-readable medium of claim ~~12~~ 10 further comprising computer-executable instructions for performing the step of:

accessing, by a RAS server, the network address received by the machine during the second receiving step; and

establishing, by the RAS server on behalf of a RAS client, a connection between the RAS server and the resource residing on the subnet coupled to the machine via the ~~second network~~ interface linked to the LAN.

15. (Currently Amended) The computer-readable medium of claim ~~12~~ 10 further comprising computer executable instructions for facilitating performing the step of:

transmitting the network address via the first ~~network~~ RAS interface to a RAS client.

16. (Original) The computer-readable medium of claim 10 wherein the network address is an internet protocol (IP) address.

17. (Currently Amended) The computer-readable medium of claim 10 wherein the computer-executable instructions facilitate performing the first receiving, first transmitting, second receiving steps on the machine having ~~a first network~~ the RAS interface and the ~~second network~~ interface linked to the LAN linking the machine to distinct ~~local area networks (LANs)~~.

18. (Currently Amended) A network server machine providing name services for responding to network resource name service requests from connected clients residing upon multiple distinct sub-nets, the network server machine comprising:

a first network adaptor, associated with a RAS interface, coupled to a first sub-net including a naming service client;

a second network adaptor ~~coupled to a second sub-net~~ l<u>inked to a local area</u> <u>network (LAN)</u> including a resource having a resource name and an associated network address;

a set of stored computer-executable instructions for ~~executing a multiple-interface naming-proxy-service-facilitating-performing~~ <u>a RAS server,</u> by the network server machine, the steps of:

first receiving, by the multiple interface naming proxy via the first network adaptor, the network resource name service request;

first transmitting, via at least the second network adaptor, a name query request corresponding to the network resource name service request; and

listening for, in response to the first transmitting step, by the machine via the second network interface, a name query response including a network address for the resource residing on the subnet coupled to the machine via the second network interface.

19.   (Original)   The network server machine of claim 18 wherein the multiple interface naming proxy maintains a cache of name-to-address entries, and further comprises computer-executable instructions for facilitating performing the step of:

determining, by the multiple interface naming proxy in response to the first receiving step, that the cache does not contain an entry corresponding to a name identified in the name service request.

20 – 22.   (Canceled)

23.   (Currently Amended) The network server machine of claim ~~20~~ <u>18</u> further comprising computer-executable instructions facilitating performing the steps of:

accessing, by the RAS server, the network address received by the machine during

the second receiving step; and

establishing, by the RAS server on behalf of the RAS client, a connection between the

RAS server and the resource residing on the subnet coupled to the machine via the second

network interface.

24.   (Original)   The network server machine of claim 20 further comprising

computer-executable instructions facilitating performing the step of:

transmitting the network address via the first network interface to a RAS client.

25.   (Original)   The network server machine of claim 18 wherein the network

address is an internet protocol (IP) address.

26.   (Currently Amended) The network server machine of claim 18 wherein the

first network adaptor and second network adaptor are linked to distinct local area networks

(LANs).

27.   (New) A method for handling, by a multiple interface naming proxy

operating upon a router connected to multiple subnet links via distinct network interfaces,

the method comprising:

receiving a resource name from a computer connected to a first one of the subnet

links;

resolving the resource name; and

rendering a corresponding network address for a resource corresponding to the

resource name residing on a second of the subnet links coupled to the router via a second

subnet interface.